
Power and System Monitor

PWR messages are received from the System Monitor. They indicate power and temperature status or failures. The output format for all PWR messages is:

PWRxxxx HW SM UEM U

Where:

HW = hardware type, possible values are:

- CRBK = Circuit Breaker
- DCSP = DC power supply
- FANU = Fan unit
- PFTC = Power Fail Transfer Card
- PWSP = Power Supply including the ringing generator
- THSW = Thermal Switch
- UPSA = Uninterruptible Power Supply Alarm
- XSMC = System Monitor Card

SM = System Monitor (0-63), 0 = the master System Monitor

UEM = Universal Equipment Module, possible values are:

- 0 = bottom UEM or not applicable
- 1 = second UEM
- 2 = third UEM
- 3 = top UEM

U = power unit number, possible values are:

- 0 = not applicable
- 1 = power unit 1
- 2 = power unit 2

PWR messages

PWR0000 hw	System Monitor or power supply is OK. Output may be: PWR0000 XSMC — System Monitor is OK PWR0000 PWSP — Power unit is OK
PWR0001	Partial failure on power supply. Action: Replace the indicated power supply.
PWR0002	Complete failure on power supply. Action: Replace the indicated power supply.
PWR0003	Power supply not installed or has been removed.
PWR0004	Circuit breaker has tripped. System has overheated. Action: Check the blower unit, air filter, air ventilation and room air conditioning.
PWR0005	One or more fans has failed in the Blower unit. Action: Replace the unit. This message occurs when the NT7D17AC or NT7D17DC fan shelf in Option 21 systems is turned on. This is not an error condition if PWR0005 is followed by PWR0046 (sensor alarm cleared) and PWR0045 (fan functioning).
PWR0006	Blower air probe temperature sensor alarm. This indicates one of the following: 1. Blower air probe temperature sensor has reached 2. 55 degrees C (131 degrees F). 3. Blower unit has lost power. 4. Blower unit air probe temperature sensor is faulty or disconnected. Action: Check the blower unit, air filter, air ventilation and room air conditioning.
PWR0007	Column temperature has reached 70 degrees C (158 degrees F). If the blower has reached 55 degrees C (PWR0006 message) then the circuit breaker will trip in 30 seconds. Action: Check the blower unit, air filter, air ventilation and room air conditioning.
PWR0010 hw	For PWR010 UPSA: Uninterruptible Power Supply (UPS) alarm condition 1. The meaning depends on the UPS manufacture Best Inc. UPS — inverter is ON

	Lorain UPS — inverter is ONExide UPS — AC power failed
	Alpha UPS — inverter is ON
	For PWR010 DCSP: DC trip alarm is ON (circuit breaker has tripped).
PWR0012 hw	For PWR012 UPSA: Uninterruptible Power Supply (UPS) Summary alarm (condition 2). The meaning depends on the UPS manufacturer.
	Best Inc. UPS — Summary alarm is ON
	Lorain UPS— bypass is ON
	Exide UPS — bypass is ON
	Alpha UPS — low battery
	For PWR012 DCSP: DC alarm is ON.
PWR0013	Slave System Monitor is not responding.
	Action: Check the serial link cable or replace the System Monitor.
PWR0014	System Monitor failed self test.
	Action: Replace the System Monitor.
PWR0015	SL-1 NT, RT, ST or XT cabinet has an alarm condition.
PWR0016	Power fail transfer has been activated.
PWR0017	DCON 0 alarm is ON.
	Action: Check DC power supply.
PWR0018	DCON 1 alarm is ON.
	Action: Check DC power supply.
PWR0019	DCON 2 alarm is ON.
	Action: Check DC power supply.
PWR0020	DCON 3 alarm is ON.
	Action: Check DC power supply.
PWR0044	Circuit breaker had been reset.
PWR0045	Fan unit repaired.
PWR0046	Blower unit air probe temperature sensor is now less than 55 degrees C (131 degrees F).

PWR

PWR0047	Column temperature now less than 70 degrees C (158 degrees F). Circuit breaker trip signal is released.
PWR0050 hw	For PWR050 UPSA: Uninterruptible Power Supply (UPS) alarm condition 1 has been cleared. For PWR050 DCSP: DC trip alarm is OFF (circuit breaker has been reset).
PWR0052 hw	For PWR052 UPSA: Uninterruptible Power Supply (UPS) alarm condition 2 has been cleared. For PWR050 DCSP: DC alarm is OFF.
PWR0053	Slave System Monitor is now responding.
PWR0054	System Monitor passed self test.
PWR0055	SL-1 NT, RT, ST or XT cabinet alarm condition has been cleared.
PWR0056	Power fail transfer deactivated.
PWR0057	DCON 0 alarm has been cleared.
PWR0058	DCON 1 alarm has been cleared.
PWR0059	DCON 2 alarm has been cleared.
PWR0060	DCON 3 alarm has been cleared.